Panasonic ideas for life

PoE Type Network Camera

BB-HCM403

Indoor Use Only *AC adaptor is sold separately.







* This logo mark is issued by the IPv6 Ready Logo Program Committee, an IPv6 promotion group established mainly by the IPv6 Forum

See There When You Can't Be There

Meet our new dome-shaped, ceiling-mounted network camera with a fixed lens.

It's easy to mount because all angle setting is done while viewing the monitor.

And power is supplied by Ethernet cable or AC adaptor (purchased separately).

This makes it ideal for monitoring places where mounting and supplying power are difficult, such as near entrances, elevator doors, factories, and warehouses. It offers true Zero Distance Management that boosts business efficiency by letting you monitor essential locations anytime, from virtually anywhere.











Entrances

Stores

Warehouses

Factories

Zero Distance Management

Zero Distance Management is a new business style made possible by Panasonic network cameras. It allows safe, smooth, economical business management that is totally free from conventional distance and time limitations.

System Diagram

To use the BB-HCM403, Internet access equipment and a power supply consisting of either a Power over Ethernet Hub or an AC adaptor (purchased separately) are required.













Versatile Functions Support Your Business Management



STORE





Other Features

Motion Detection & Image Transfer Mode

The BB-HCM403 can start recording images as soon as it detects motion. Recorded images can also be sent by e-mail* or transferred via FTP for remote confirmation. *POP before SMTP authentication and PLAIN and LOGIN SMTP authentication are supported. CRAM-MD5 SMTP authentication is not supported.

IPsec Supported

In addition to authentication based on a conventional ID and password system, packet encryption is also used to bolster security and inhibit eavesdropping.

*IPsec is an IP security protocol for data encryption standardized by IETF, an international community devoted to the standardization of Internet specifications.

Multi Camera Capability

Check the images from three sets of four cameras each, and converse with one camera

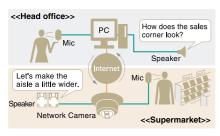
site. Display them all at once (with no audio).



Solve Problems from Wherever You Are Audio 2-Way Communication*1

By connecting the optional speaker, you can converse*2 while viewing the monitor. This allows more precise communication without the inconvenience of being in a distant location. For example, you can accurately troubleshoot problems in a warehouse or factory, or give instructions for urgent store display changes.

- *1 The audio feature does not work on cell phones.
- *2 Walkie-talkie type conversation.



because it lets you monitor down to a brightness of only 0.2 lux.



Save Time from Your Busy Schedule SD Memory Card* Recording

you can collect an entire day's worth of images for a quick and easy check. For example, using a 2-GB SD Memory Card with

By recording continuously in preset intervals,

1-minute recording intervals, you can record

up to 80 days worth (115,000 images). This is

*The SD Memory Card is sold separately. The camera supports

Number of recording files per SD Memory Card

2-GB, 1-GB, 512-MB, 256-MB, 128-MB and 64-MB Panasonic SD

great for people who have to spend time

away from the business site.

Memory Cards

See Clearly Even in Dark Places

The BB-HCM403 camera automatically

dark, difficult-to-see places like dimly lit

The BB-HCM403 provides effective security

factories and warehouses at night.

CCD Sensor & Color Night View Mode

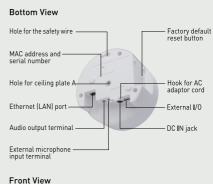
adjusts the image brightness for monitoring in







Part Names





ENTRANCE



Check Even Small Objects in Detail 10x Digital Zoom Function*

You can feel more secure because the zoom function gives you a clear view of objects that would be difficult to see with ordinary monitoring, like the face of a visitor walking through the door or the detailed conditions at the far back of a large factory.









SD 640 x 480 160 x 120 Memory Card 320 x 240 Approx.33KB/ Approx.5KB/file Approx. 55,000 images Approx. 115,000 images 370,000 images Approx. 28,000 images Approx. 58,000 images Approx. 180,000 images 1GB

| Specifications [BB-HCM403] | | | | | |
|-----------------------------|---|-----------------------|--|---|--|
| Server | | Network camera | | Terminal | |
| Video Compression | JPEG (3 levels) | Viewing Angle | Horizontal: 53°, vertical: 40° | Interface | 10Base-T/100Base-TX Ethernet RJ-45 connector x 1 |
| Video Resolution | 640 x 480, 320 x 240 (default), 160 x 120 | Tilt Angle | 0°up to +65° (administrator only) | External I/O | External sensor input x 2, external sensor output x 1 |
| Image Quality | 3 modes (favor clarity, standard, favor motion) | Indicator Display | Power/network communication/camera operation | External Microphone Input | Ø3.5 mm mini jack |
| Frame Rate*1 | Max. 12 frames/second (640 x 480) | | Ethernet link | Audio Output | Ø3.5 mm stereo mini jack (but output is mono.) |
| | Max. 30 frames/second (320 x 240 or 160 x 120) | Sensor Type | 1/4 inch CCD (interlace type), 320,000 pixels | I/O connector for sensor | G GND 1 External sensor input |
| Security | User ID/password/IPsec | ., | (effective pixels) | | G GND 2 External sensor input |
| Cipher Algorithm | DES-CBC, 3DES-CBC, AES-CBC | Focus | Fixed 0.5 m [20 inches]-infinity | | 3 External device control output |
| IPsec Feature | ESP encryption, ESP authentication | Caliber Ratio (F No.) | F3.5 | | 4 DC power output terminal (10.5_13.5 VDC) |
| Input Encoding Method | Transport mode/tunnel mode IKE (Internet Key Exchange) Encoding with ActiveX | White Balance | Auto/manual/hold | SD Memory Card Slot | 2GB, 1GB, 512MB, 256MB, 128MB, 64MB |
| IKE (Internet Key Exchange) | Pre-shared key | Exposure | Auto | General | |
| Supported Protocols | IPv4/IPv6 dual-stack | Illumination | 3 to 100,000 lux (in color night view mode: 0,2 to | Humidity | Operation: 0°C to +40°C (+32°F to +104°F) |
| Supporteuriotocots | IPv4: TCP, UDP, IP, HTTP, FTP, SMTP, DHCP, DNS, ARP, ICMP, POP3, NTP, UPnPTM, IPsec | | 100,000 lux) | | Storage: 0°C to+50°C (+32°F to +122°F) |
| | IPv6: TCP, UDP, IP, HTTP, FTP, SMTP, DNS,ICMPv6 POP3, NDP, NTP, IPsec | | roojood (an) | Terminal | Operation: 20 % to 80 % (No Condensation) |
| User Access Limit | Max, 30 simultaneous accesses | Audio | | | Storage: 20 % to 90 % (No Condensation) |
| | (max. 10 accesses with voice reception) | Audio Communication | 2-Way half duplex | Dimension (H x W x D) | 97.5 x 123 x 123 mm (3 13/16 x 4 13/16 x 4 13/16 inches) |
| Buffered Image*2 | About 125 frames (320 x 240) with time display | Audio Play Method | Play with ActiveX | Weight | 330g (0.73 lb.) (Only the unit) |
| | (when SD Memory Card is not inserted.) | Audio Compression | ADPCM 32k bps | Power supply | PoE: (48 V, IEEEE 802.3af-compliant Power over |
| Message-Digest Algorithm | HMAC-MD5, HMAC-SHA-1 | Audio Bandwidth | 300 Hz-3.4 kHz | | Ethernet), AC adaptor |
| Message Transfer Condition | Alarm, timer or Motion Detection | Audio Input | Built-in microphone or external microphone | AC adaptor [Model No. BB-HCA2A: Option] | Input: 120 V AC, 60 Hz output: 12 V DC, 0.75 A |
| Image Transfer Method | SMTP*3, FTP | Audio Output*4 | Audio line output terminal for external speaker | Consumption | PoE: about 5.5 W, AC adaptor: about 5.8 W |

